

What is claimed is:

1. An active material for battery anode, said material consists of zinc and virtually contains no lead, and said material which a piece of 10cm^2 made from decreases 3.8 mg of its weight or less due to corrosion after being laid still in a constant temperature water chamber filled with the electrolyte of which concentration is nickel 2.9ppm, cobalt 0.40ppm, and copper 0.86ppm for 66 hours in a temperature of 45degree Centigrade.

2. The active material according to claim1, wherein the active material concentration is 99.99% or more of zinc.

3. The active material according to claim 1 or claim 2, wherein the active material consists of zinc for major substance with addition and compound of 0.01 percent by mass or more and 0.7 percent by mass or less of bismuth.

4. The active material according to claim 1 to claim 3, wherein the active material consists of zinc for major substance with addition and compound of 0.01 percent by mass or more and 0.7 percent by mass or less of bismuth, 0.0003 percent by mass or more and 0.03 percent by mass or less of magnesium, and 0.001 percent by mass or more and 0.05 percent by mass or less of one or more selected from zirconium, strontium, barium, indium, and aluminum.

5. A manganese dry battery to which applied is active material for anode that virtually does not contain lead, which material a piece of 10cm² made from decreases 3.8 mg or less of its weight due to corrosion after being laid still in a constant temperature water chamber filled with the electrolyte of which concentration is nickel 2.9ppm, cobalt 0.40ppm, and copper 0.86ppm for 66 hours in a temperature of 45degree Centigrade.

6. The manganese dry battery according to claim 5, wherein the active material is purity 99.99 percent by mass or more of zinc in major substance.

7. The manganese dry battery according to claim 5 or claim 6, wherein the active material consists of zinc with addition and compound of 0.01 percent by mass or more and 0.7 percent by mass or less of bismuth.

8. The active material for battery anode according to claim 5 to claim 7, wherein the active material for anode consists of zinc for major substance with addition and compound of 0.01 percent by mass or more and 0.7 percent by mass or less of bismuth, 0.0003 percent by mass or more and 0.03 percent by mass or less of magnesium, and 0.001 percent by mass or more and 0.05 percent by mass or less of one or more selected from zirconium, strontium, barium, indium and aluminum.

9. A method of manufacturing a manganese dry battery with use of an anode zinc can container or plate which is processed from an anode active material sheet in a temperature in a range of 120degree Centigrade to 210degree Centigrade which material contains zinc with addition of bismuth.

10. A method of manufacturing a manganese dry battery with use of an anode zinc can container or plate which is processed in a temperature ranging from 100degree Centigrade to 250degree Centigrade from an anode active material sheet which material contains zinc for major substance with addition and compound of 0.01 percent by mass or more and 0.7 percent by mass or less of bismuth, 0.0003 percent by mass or more and 0.03% or less of magnesium, and 0.001 percent by mass or more and 0.05 percent by mass or less of one or more selected from zirconium, strontium, barium, indium, and aluminum.